

Attachment A

1. (previously presented) A centrifugal fan impeller (1) having an axis of rotation (6) and comprising one or more modules (2), comprising a mounting disc (4), at least one connecting ring (5) and a plurality of blades (3) extending between the mounting disc (4) and the connecting ring (5), the blades (3) being connected to the disc (4) and ring (5) at an angle (α) relative to the axis (6) of the impeller (1), the impeller being characterised in that the angle (α) at which the blades (3) are inclined is 10 degrees, in that the connecting ring (5) is positioned on an outer diameter in respect to the blades (3), whereby the inner part of the mould for producing the fan impeller (1) can be extracted axially from both sides of the fan impeller (1),
in that the profile of each blade (3) at the root is inclined at an angle (γ_1) ranging from 50 to 80 degrees,
and in that the profile of each blade (3) at the end is inclined at an angle (γ_2) ranging from 33 to 63 degrees, said angles (γ_1, γ_2) at the root (7) and at the end (8) of the blade (3) being defined as the angles made by the profile of the blade (3), at the root and end of the blade respectively, with respect to an impeller radius (R_1, R_2) passing through the leading edge (4) of the profile.
2. (previously presented) The impeller according to claim 1, characterised in that each blade (3) is substantially trapezoidal in shape when seen in a straightened plan view.
3. (previously presented) The impeller according to claim 1, characterised in that each blade (3) is substantially rectangular in shape when seen in a straightened plan view.
4. (previously presented) The impeller according to claim 2, characterised in that each blade (3) has a straight leading edge (A) inclined at an angle (β) ranging from 0 to 40

- degrees with respect to the axis (6) of the impeller (1).
- 5. (previously presented) The impeller according to claim 2, characterised in that each blade (3) has a straight trailing edge (U) parallel to the axis (6) of the impeller (1).
 - 6. (previously presented) The impeller according to claim 2, characterised in that each blade (3) has a straight leading edge (A) inclined at an angle (β) of 12.65 degrees with respect to the axis (6) of the impeller (1).
 - 7. (currently amended) The impeller according to ~~any of the foregoing claims~~ claim 1, characterised in that the profile of each blade (3) at the root is inclined at an angle (γ_1) of 65.2 degrees.
 - 8. (currently amended) The impeller according to ~~any of the foregoing claims~~ claim 1, characterised in that the profile of each blade (3) at the end is inclined at an angle (γ_2) of 48.2 degrees.